

# ACTUATING MECHANISM FOR A MOVABLE ARM OF A PIPE BENDER

## ABSTRACT

5

An actuating mechanism of a pipe bender includes a power source for delivering torque for displacing a movable arm with, and a transmission for passing on movement of the power source to the movable arm; the transmission includes a planetary gear set, a crown gear, and an actuating pinion; the movable arm is connected with an  
10 actuating shaft of the gear set so that it can be displaced when the gear set is actuated; the crown gear is securely connected with a central shaft of the gear set; the actuating pinion is securely connected with an output shaft of the power source, and directly engaged with the crown gear so  
15 that movement of the power source can be passed on to the gear set; the power source is hidden in a holding portion of the pipe bender to not stick out to occupy extra space.

20